



**Hampton Roads Sanitation District**  
**Industrial Wastewater Discharge Permit No. 0085**

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In accordance with all terms and conditions of the Hampton Roads Sanitation District Industrial Wastewater Discharge Regulations, and in accordance with any applicable provision of Federal or State law or regulation;

Permission is Hereby Granted to: **National Aeronautics and Space Administration (NASA), Langley Research Center, Hampton, Virginia 23681**

Classified by NAICS No. **92711 - Non-Significant Industrial User**

For the contribution of **Industrial Wastes (Aeronautical and Space Research)**

into the Hampton Roads Sanitation District at **Virginia State Route #172 near Virginia Power Substation, Hampton, Virginia**

This Permit is based on information provided in the Permit application which together with the following conditions and requirements is considered a part of this Permit. This Permit is not transferable.

Effective **1st day of October 1999**

To Expire **1st day of October 2002**

A handwritten signature in cursive script, reading "Ronald Johnson", is written over a horizontal line.

General Manager  
(By Direction)



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**EFFLUENT DISCHARGE LIMITATIONS**

Addendum 06/26/00

The following referenced parameters are known to exist in the Permittee's discharge through information provided in the Permit application. The limitations set forth below shall be met at all times. In addition, all other effluent limitations and general discharge prohibitions set forth in the Hampton Roads Sanitation District's Industrial Wastewater Discharge Regulations (7/1/99 Ed.) and all applicable Federal and State limitations shall be met.

Sampling Point Name: <b>1223 (Building # 1223)</b>		
Parameter (reported in mg/L unless otherwise indicated)	Calendar Month Average <sup>1</sup>	Calendar Day Maximum <sup>2</sup>
Cyanide (CN <sup>-</sup> )	0.5	1.0
Silver (Ag)	0.25	0.5
Zinc (Zn)	2.0	5.0
Oil & Grease (Non-Saponifiable) (O&G) <sup>3</sup>	100	100
pH (s.u.)	≥ 5.0	≥ 5.0
Flow (GPD) <sup>4</sup>	144, 000	185, 000

<sup>1</sup> Average of any number of daily values obtained during a calendar month.

<sup>2</sup> Maximum for any sample obtained during any calendar day.

<sup>3</sup> There shall be no visible free oil present.

<sup>4</sup> The flow quantities listed are not enforced as Permit limitations.



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**MONITORING REQUIREMENTS**  
Addendum 11/14/01

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The following sample(s) shall be collected as specified:

Sampling Point	Quantity	Type	Frequency	Parameter(s)
<b>1223 (Building #1223)</b> Total discharge	1	Grab	Monthly <sup>1</sup>	pH, Zn

<sup>1</sup> On varying process discharge days throughout the month, including weekends when process discharges occur.

Results of all analyses for samples collected from the permitted sampling point in a calendar month must be received in this office by the tenth (10th) day of the following month (advanced due date). Transmitting data by facsimile is an acceptable method for meeting this deadline. However, all data must be received in this office within thirty (30) days following the advanced due date, accompanied by an appropriately executed certification statement.

All analyses shall be performed in accordance with Section 402 of the HRSD Industrial Wastewater Discharge Regulations.



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**METERING REQUIREMENTS**

Addendum 11/14/01

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Metering shall be as follows:

Quantity	Type	Purpose
1	Effluent	Billing (Endress & Hauser, S/N 5003324)

The effluent meter shall be certified as accurate to manufacturer's specifications annually and a copy of the certification shall be received in this office no later than December 31st of each year accompanied by an appropriately executed certification statement.



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**SPECIAL CONDITIONS**

**Addendum 11/14/01**

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All pretreatment facilities shall be maintained as follows:

Cafeteria grease trap - As needed.

- 2 Silver recovery unit - Maintained in accordance with manufacturer's specifications. Any material removed from the silver recovery unit shall not be discharged directly or indirectly into the HRSD system.

Permit violations must be reported to the HRSD Industrial Waste Division in accordance with Section 302 of the HRSD Industrial Wastewater Discharge Regulations.

The Permittee is responsible for resampling and analysis of any violated parameter based on self-monitoring within thirty (30) days of becoming aware of the violation.

The Permittee must notify the HRSD Industrial Waste Division no less than two weeks prior to any sanitary sewer line cleaning in order to determine appropriate wastewater treatment, disposal, or monitoring requirements.

In accordance with Section 206 of the HRSD Industrial Wastewater Discharge Regulations, a permit renewal application must be received in this office at least 180 days prior to the expiration date of the existing Permit.